

Patent Claims

1. Device for engaging and/or disengaging a roller (1) with or from a first mating roller (3), with a second mating roller (4), with which the roller (1) is engaged, and with a basic unit (2), with which the roller (1) can be moved to or away from the first mating roller (3) in the circumferential
5 direction of the second mating roller (4).

2. Device in accordance with claim 1, wherein the basic unit (2) has a pneumatic adjusting element.

3. Device in accordance with claim 1 or 2, wherein the basic unit (2) can be adjusted in parallel to a tangential direction of the second mating roller (4).

10 4. Device in accordance with one of the above claims, with a feed unit (5), with which an engaging pressure can be generated on at least one of the mating rollers (3, 4).

5. Device in accordance with the above claim, with a spring element (6) for generating the engaging pressure of the roller (1).

15 6. Device in accordance with one of the above two claims, with a setting element (7) for setting the engaging pressure.

7. Device in accordance with one of the above claims, wherein the roller (1) is mounted in a carriage (8).

8. Process for engaging and/or disengaging a roller (1) of a printing press with or from a first mating roller (3), wherein the roller (1) is engaged with a second mating roller (4) and the roller (1) is guided in the circumferential direction of the second mating roller (4) in the state in which it is engaged with the second mating roller (4).

9. Process in accordance with the above claim, wherein the roller (1) is continuously in contact with the second mating roller (4).

10. Process in accordance with one of the above two claims, wherein a nip, a nip ratio or the engaging pressure is set in the state in which the two mating rollers (3, 4) are engaged.

Figure 1

KEY:

PLATTENZYL. (SCHLITZSPANNUNG) - PLATE CYLINDER (SLOT TENSION)

GRUNDEINHEIT - BASIC UNIT

5 NC-ZUSTELLEINHEIT - NC FEED UNIT

NIPPEINSTELLUNG - SETTING OF NIP

PNEUMAT. - PNEUMATIC

AN-/ABSTELLUNG - ENGAGEMENT/DISENGAGEMENT

QUERJUSTIERUNG - TRANSVERSE ADJUSTMENT

10 (NIPPVERTEILUNG) - (NIP DISTRIBUTION)

REIBER - DISTRIBUTOR ROLLER

Figure 4

KEY:

Duktorwalze - Duct roller

Heberwalze - Vibrating roller

5 Farbkasten - Ink duct

Farbwerk - Inking system

Reiberwalze - Distributor roller

Farbaufragwalze - Ink applicator roller

Feuchtwerk - Dampening system

10 Druckformzylinder (Plattenzylinder) - Printing form cylinder (plate cylinder)

Gummizylinder - Rubber blanket cylinder

Druckzylinder - Printing cylinder